

IN THE CLAIMS:

Please cancel claim 10 without prejudice to or disclaimer of the subject matter recited therein.

Please amend claims 14 and 17 as follows:

LISTING OF CURRENT CLAIMS

1. (Previously Presented) A focus position adjustment system for adjusting a focus position, by which an optical storage device reads an optical storage medium, the optical storage medium comprising a header and a recording area, a focus error signal being generated as the optical storage device reads the medium, the system comprising:

a deviation value detection module to determine a deviation value according to the focus error signal generated within the header after the optical storage device finishes tracking closed loop wherein the deviation value is obtained from a comparative value of the level of the focus error signal of the header and a reference level of the recording area; and

a focus control module to adjust the focus position to make the deviation value fall in a predetermined range.

2. (Previously Presented) The system of claim 1, wherein the deviation value detection module utilizes the level of the focus error signal of the header to compare with the reference level indicating the focus position, and the reference level being generated as a reflective beam is reflected from the recording area.

3. (Original) The system of claim 2, wherein the optical storage device further comprises:

an optical pickup head for generating a beam to project on the focus position of the optical storage medium and for receiving the reflective beam from the focus position; and

a signal processing unit for analyzing the reflective beam received by the optical pickup head and generating the focus error signal.

4. (Original) The system of claim 3, wherein the optical storage device adds an offset to the optical pickup head for adjusting the focus position.

5. (Original) The system of claim 4, wherein the optical storage device generates a jitter as the optical storage device reads the optical storage medium, and when the jitter is smaller, the focus position of the optical storage device is better.

6. (Original) The system of claim 5, wherein the jitter corresponds to the offset, the jitter changes with the variation of the offset, and when the offset falls in an interval, the jitter is correspondingly better.

7. (Original) The system of claim 6, wherein the offset corresponds to the deviation value, and by adjusting the deviation value falling in the predetermined range, the offset is obtained, and different offsets are represented as different focus positions.

8. (Original) The system of claim 7, wherein the focus control module generates a focusing control signal according to the difference between the deviation value and the predetermined range.

9. (Original) The system of claim 8, the system further comprising a driving device for adjusting the focus position of the optical pickup head according to the focusing control signal.

10. (Canceled)

11. (Previously Presented) A focus position adjustment method for adjusting a focus position, by which an optical storage device reads an optical storage medium, the optical storage medium comprising a header and a recording area, a focus error signal being generated as the optical storage device reads the medium, the method comprising the following steps:

after the optical storage device finishes tracking closed loop, determining a deviation value according to the focus error signal generated within the header wherein the deviation value is obtained from a comparative value of the level of the focus error signal of the header and a reference level of the recording area; and
10 adjusting the focus position to make the deviation value fall in a predetermined range.

12. (Previously Presented) The system of claim 11, wherein the level of the focus error signal of the header is utilized to compare with a reference level, the reference level indicates the focus position, and the reference level is generated as a reflective beam is reflected from the recording area.

Claim 13. (Canceled)

14. (Currently Amended) The method of claim ~~13~~12, the method further comprising the following step:
 adding an offset to the optical pickup head for adjusting the focus position.

Claims 15-16. (Canceled)

17. (Currently Amended) The method of claim ~~16~~14, the method further comprising the following step:
 corresponding the offset to the deviation value; and
 obtaining the offset by adjusting the deviation value falling in the predetermined range wherein different offsets are represented as different focus positions.

18. (Original) The method of claim 17, the method further comprising the following step:
 generating a focusing control signal according to the difference between the deviation value and the predetermined range.

19. (Original) The method of claim 18, the method further comprising the following step:

adjusting the focus position according to the focusing control signal.